



# Occidental Chemical Corporation

UST  
116673

May 8, 1991

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Department of Environmental Resources  
BWQM, Storage Tank Section  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, Pa 19428

Attention: Marcella Stoltz

Dear Marcella:

Attached are analytical results from borings along underground pipelines associated with the UST's removed at the Pottstown facility. As can be seen, one abnormally high result of 960,000 ug/kg of di-n-octyl phthalate (DOP) was seen at location SB-6 at the 84" depth. Occidental proposes to obtain another boring sample at location SB-6, to rerun the analysis, and then to consult with the DER concerning further action.

Please contact me concerning this matter at your earliest convenience.

Regards,

Robert S. Schuster  
Environmental Manager

cc: Cynthia Steele  
PADER  
BWQM, Storage Tank Section  
Lee Park, Suite 6010  
555 North Lane  
Conshohocken, PA 19428

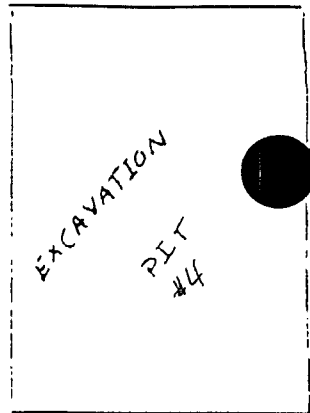
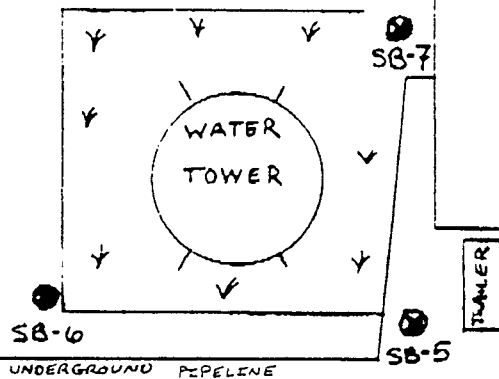
~~Christine Chulick~~  
Remedial Project Manager  
SEPA Remedial Section (3HW21)  
USEPA, Region III  
841 Chestnut Building  
Philadelphia, PA 19107

**OxyChem**

PVC Resins and Compounds/PVC Fabricated Products Divisions  
Armand Hammer Boulevard, Box 699, Pottstown, Pennsylvania 19464 215/327-6400

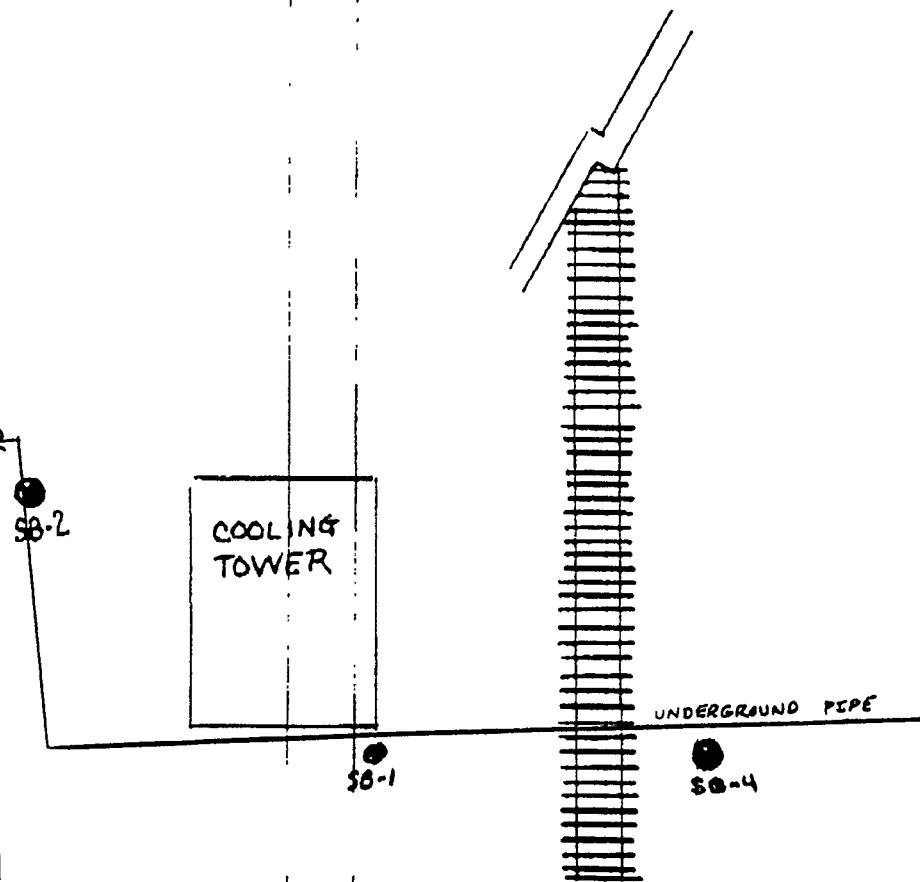
AR302871

TIRE PLANT BUILDING



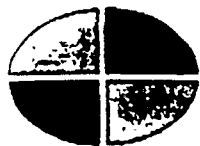
Oxychem - Soil Boring Locn  
ALONG PIPELINES

TIRE PLANT BUILDING



AR302872

#1 Pump



RECEIVED MAY 08 1991

06MAY91\_1146\_0873

**SSM/Laboratories**

RECEIVED

MAY 08 1991

**ANALYTICAL REPORT**

COTTSTOWN ENVIRONMENTAL DEPT.

CLIENT: John M. Twomey  
Enroserv, Inc.  
Cenco Boulevard  
Clayton NJ 08312

SAMPLE: 1017835  
PROJECT: 104631  
PO NO:  
REPORTED: 06-MAY-91  
RECEIVED: 23-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Oxychem

CLIENT SAMPLE IDENTIFICATION: SB-1-36

SAMPLE DESCRIPTION: Soil boring

SAMPLING DATE: 23-APR-91 BY: CRE,DER,I.

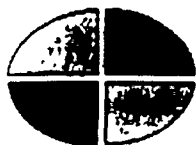
	UNITS	RESULT
Moisture	%	12.5
Total Petroleum Hydrocarbons	mg/kg	48.0
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	< 330
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	< 330

Sample results are reported on an "as received basis"  
< indicates less than the limit of quantitation.

Respectfully submitted,

*Scott W. Hinnerst*  
Scott W. Hinnerst,  
Group Leader, Organics

AR302873



# SSM/Laboratories

## ANALYTICAL REPORT

CLIENT: John M. Twomey  
Enroserv, Inc.  
Cenco Boulevard  
Clayton NJ 08312

SAMPLE: 1017836  
PROJECT: 104631  
PO NO:  
REPORTED: 06-MAY-91  
RECEIVED: 23-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Oxychem

CLIENT SAMPLE IDENTIFICATION: SB-1-84

SAMPLE DESCRIPTION: Soil boring

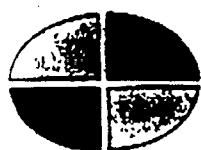
SAMPLING DATE: 23-APR-91 BY: CRE,DER,I.

	UNITS	RESULT
Moisture	%	4.92
Total Petroleum Hydrocarbons	mg/kg	48.0
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	< 330
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	< 330

Sample results are reported on an "as received basis"  
< indicates less than the limit of quantitation.

Respectfully submitted,

*Scott W. Hinnershitz*  
Scott W. Hinnershitz,  
Group Leader, Organics



**SSM/Laboratories**

UOMAT91\_1146\_0073

## ANALYTICAL REPORT

CLIENT: John M. Twomey  
Enroserv, Inc.  
Cenco Boulevard  
Clayton NJ 08312

SAMPLE: 1017837  
PROJECT: 104631  
PO NO:  
REPORTED: 06-MAY-91  
RECEIVED: 23-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Oxychem

CLIENT SAMPLE IDENTIFICATION: SB-2-36

SAMPLE DESCRIPTION: Soil boring

SAMPLING DATE: 23-APR-91 BY: CRE,DER,I.

	UNITS	RESULT
Moisture	%	11.7
Total Petroleum Hydrocarbons	mg/kg	62.0
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	700
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	< 330

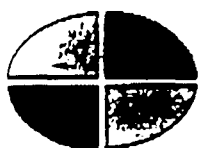
Sample results are reported on an "as received basis"

< indicates less than the limit of quantitation.

Respectfully submitted,

Scott W. Hinnerstiz,  
Group Leader, Organics

AR302875



# SSM/Laboratories

## ANALYTICAL REPORT

CLIENT: John M. Twomey  
Enroserv, Inc.  
Cenco Boulevard  
Clayton NJ 08312

SAMPLE: 1017838  
PROJECT: 104631  
PO NO:  
REPORTED: 06-MAY-91  
RECEIVED: 23-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Oxychem

CLIENT SAMPLE IDENTIFICATION: SB-2-84

SAMPLE DESCRIPTION: Soil boring

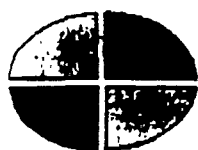
SAMPLING DATE: 23-APR-91 BY: CRE,DER,I.

	UNITS	RESULT
Moisture	%	15.5
Total Petroleum Hydrocarbons	mg/kg	97.5
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	1700
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	2600

Sample results are reported on an "as received basis"  
< Indicates less than the limit of quantitation.

Respectfully submitted,

Scott W. Hinnerhita  
Group Leader, Organics



# SSM/Laboratories

## ANALYTICAL REPORT

CLIENT: John M. Twomey  
Enroserv, Inc.  
Cenco Boulevard  
Clayton NJ 08312

SAMPLE: 1017839  
PROJECT: 104631  
PO NO:  
REPORTED: 06-MAY-91  
RECEIVED: 23-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Oxychem

CLIENT SAMPLE IDENTIFICATION: SB-3-36

SAMPLE DESCRIPTION: Soil boring

SAMPLING DATE: 23-APR-91 BY: CRE,DER,I.

	UNITS	RESULT
Moisture	%	14.9
Total Petroleum Hydrocarbons	mg/kg	< 20
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	< 330
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	< 330

Sample results are reported on an "as received basis"

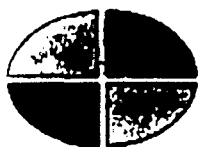
< indicates less than the limit of quantitation.

Respectfully submitted,

*Scott W. Hinnerst*

Scott W. Hinnerst,  
Group Leader, Organics

AR302877



# SSM/Laboratories

## ANALYTICAL REPORT

CLIENT: John M. Twomey  
Enroserv, Inc.  
Cenco Boulevard  
Clayton NJ 08312

SAMPLE: 1017840  
PROJECT: 104631  
PO NO:  
REPORTED: 06-MAY-91  
RECEIVED: 23-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Oxychem

CLIENT SAMPLE IDENTIFICATION: SB-3-84

SAMPLE DESCRIPTION: Soil boring

SAMPLING DATE: 23-APR-91 BY: CRE,DER,I.

	UNITS	RESULT
Moisture	%	14.5
Total Petroleum Hydrocarbons	mg/kg	< 20
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	< 330
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	< 330

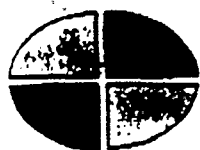
Sample results are reported on an "as received basis"

< indicates less than the limit of quantitation.

Respectfully submitted,

*Scott W. Hinnerst*  
Scott W. Hinnerst,  
Group Leader, Organics





# SSM/Laboratories

## ANALYTICAL REPORT

CLIENT: John M. Twomey  
Enroserv, Inc.  
Cenco Boulevard  
Clayton NJ 08312

SAMPLE: 1017841  
PROJECT: 104631  
PO NO:  
REPORTED: 06-MAY-91  
RECEIVED: 23-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Oxychem

CLIENT SAMPLE IDENTIFICATION: SB-4-36

SAMPLE DESCRIPTION: Soil boring

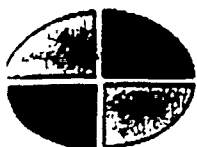
SAMPLING DATE: 23-APR-91 BY: CRE,DER,I.

	UNITS	RESULT
Moisture	%	14.3
Total Petroleum Hydrocarbons	mg/kg	< 20
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	< 330
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	< 330

Sample results are reported on an "as received basis"  
< indicates less than the limit of quantitation.

Respectfully submitted,

*Scott W. Hinnerich*  
Scott W. Hinnerich,  
Group Leader, Organics



# SSM/Laboratories

## ANALYTICAL REPORT

CLIENT: John M. Twomey  
Enroserv, Inc.  
Canco Boulevard  
Clayton NJ 08312

SAMPLE: 1017842  
PROJECT: 104631  
PO NO:  
REPORTED: 06-MAY-91  
RECEIVED: 23-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Oxychem

CLIENT SAMPLE IDENTIFICATION: SB-4-84

SAMPLE DESCRIPTION: Soil boring

SAMPLING DATE: 23-APR-91 BY: CRE,DER,I.

	UNITS	RESULT
Moisture	%	11.6
Total Petroleum Hydrocarbons	mg/kg	150
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	430
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	< 330

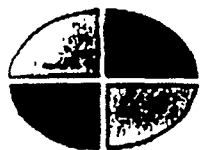
Sample results are reported on an "as received basis"

< indicates less than the limit of quantitation.

Respectfully submitted,

*Scott W. Hinnerst*  
Scott W. Hinnerst  
Group Leader, Organics

AR302880



# SSM/Laboratories

## ANALYTICAL REPORT

CLIENT: John M. Twomey  
Enroserv, Inc.  
Cenco Boulevard  
Clayton NJ 08312

SAMPLE: 1017843  
PROJECT: 104631  
PO NO:  
REPORTED: 06-MAY-91  
RECEIVED: 23-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Oxychem

CLIENT SAMPLE IDENTIFICATION: SB-5-36

SAMPLE DESCRIPTION: Soil boring

SAMPLING DATE: 23-APR-91 BY: CRE, DER, I.

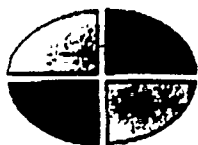
	UNITS	RESULT
Moisture	%	14.5
Total Petroleum Hydrocarbons	mg/kg	< 20
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	1100
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	< 330

Sample results are reported on an "as received basis"  
< indicates less than the limit of quantitation.

Respectfully submitted,

*Scott W. Hinnerhitz*  
Scott W. Hinnerhitz  
Group Leader, Organics

AR302881



# SSM/Laboratories

## ANALYTICAL REPORT

CLIENT: John M. Twomey  
Enroserv, Inc.  
Cenco Boulevard  
Clayton NJ 08312

SAMPLE: 1017844  
PROJECT: 104631  
PO NO:  
REPORTED: 06-MAY-91  
RECEIVED: 23-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Oxychem

CLIENT SAMPLE IDENTIFICATION: SB-5-84

SAMPLE DESCRIPTION: Soil boring

SAMPLING DATE: 23-APR-91 BY: CRE,DER,I.

	UNITS	RESULT
Moisture	%	16.6
Total Petroleum Hydrocarbons	mg/kg	< 20
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	740
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	< 330

Sample results are reported on an "as received basis"

< indicates less than the limit of quantitation.

Respectfully submitted,

Scott W. Hinnerstiz,  
Group Leader, Organics

## ANALYTICAL REPORT

CLIENT: John M. Twomey  
Enroserv, Inc.  
Cenco Boulevard  
Clayton NJ 08312

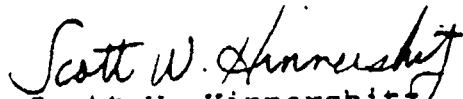
SAMPLE: 1017966  
PROJECT: 104657  
PO NO:  
REPORTED: 02-MAY-91  
RECEIVED: 24-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Soil Borings  
CLIENT SAMPLE IDENTIFICATION: SB-6-84  
SAMPLE DESCRIPTION: Soil Borings  
SAMPLING DATE: 24-APR-91 BY: CRE,DER,I

	UNITS	RESULT
Moisture	%	16.9
Total Petroleum Hydrocarbons	mg/kg	1700
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	910
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	960000

Sample results are reported on an "as received basis"  
< indicates less than the limit of quantitation.

Respectfully submitted,

  
Scott W. Hinnershitz  
Group Leader, Organics

## ANALYTICAL REPORT

CLIENT: John M. Twomey  
Enroserv, Inc.  
Cenco Boulevard  
Clayton NJ 08312

SAMPLE: 1017965  
PROJECT: 104657  
PO NO:  
REPORTED: 02-MAY-91  
RECEIVED: 24-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Soil Borings

CLIENT SAMPLE IDENTIFICATION: SB-6-36

SAMPLE DESCRIPTION: Soil Borings

SAMPLING DATE: 24-APR-91 BY: CRE,DER,I

	UNITS	RESULT
Moisture	%	15.6
Total Petroleum Hydrocarbons	mg/kg	< 20
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	980
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	< 330

Sample results are reported on an "as received basis"  
< indicates less than the limit of quantitation.

Respectfully submitted,

*Scott W. Hinnerst*  
Scott W. Hinnerst,  
Group Leader, Organics

## ANALYTICAL REPORT

CLIENT: John M. Twomey  
Enroserv, Inc.  
Cenco Boulevard  
Clayton NJ 08312

SAMPLE: 1017968  
PROJECT: 104657  
PO NO:  
REPORTED: 02-MAY-91  
RECEIVED: 24-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Soil Borings

CLIENT SAMPLE IDENTIFICATION: SB-7-72

SAMPLE DESCRIPTION: Soil Borings

SAMPLING DATE: 24-APR-91 BY: CRE,DER,I

	UNITS	RESULT
Moisture	%	14.2
Total Petroleum Hydrocarbons	mg/kg	< 20
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	< 330
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	< 330

Sample results are reported on an "as received basis"  
< indicates less than the limit of quantitation.

Respectfully submitted,

*Scott W. Hinnerst*  
Scott W. Hinnerst  
Group Leader, Organics

## ANALYTICAL REPORT

CLIENT: John M. Twomey  
Enroserv, Inc.  
Cenco Boulevard  
Clayton NJ 08312

SAMPLE: 1017967  
PROJECT: 104657  
PO NO:  
REPORTED: 02-MAY-91  
RECEIVED: 24-APR-91  
WORK ORDER:

PROJECT DESCRIPTION: Soil Borings

CLIENT SAMPLE IDENTIFICATION: SB-7-36

SAMPLE DESCRIPTION: Soil Borings

SAMPLING DATE: 24-APR-91 BY: CRE,DER,I

	UNITS	RESULT
Moisture	%	13.0
Total Petroleum Hydrocarbons	mg/kg	< 20
Phthalate Esters		
Bis(2-ethylhexyl) phthalate	ug/kg	< 330
Butyl benzyl phthalate	ug/kg	< 330
Di-n-butyl phthalate	ug/kg	< 330
Diethyl phthalate	ug/kg	< 330
Dimethyl phthalate	ug/kg	< 330
Di-n-octyl phthalate	ug/kg	380

Sample results are reported on an "as received basis"  
< indicates less than the limit of quantitation.

Respectfully submitted,

*Scott W. Hinnerstadt*  
Scott W. Hinnerstadt  
Group Leader, Organics